

2 Williams Street
Chelsea, MA 02150
(617) 889 - 6515



INSPECTORATE

QUALITY CERTIFICATE

Vessel	"B - 95"	Port	Providence, RI	Report	022004
Customer	Sprague Energy	Date	February 14, 2004	Reference	tba
Operation	Analysis	Terminal	Sprague Providence	Sample #	367002

Name of material being tested
Description of sample source
Samples Drawn by (company)
Samples Tested by (company)

6 Fuel Oil

Shore Tank # 6 After Discharge
Inspectorate America Corp.
Inspectorate America Corp.

Tests being Performed	Test method	Sample Results
Gravity API @ 60 F	D - 4052	11.3
Flash Point, PMCC, F	D - 93	214
Viscosity cSt @ 122 F	D - 445	209.0
Viscosity SFS @ 122 F	D - 1261	98.97
Pour Point, F	D - 97	21
Sulfur, wt %	D - 4294	0.848
Water & Sediment, vol %	D - 1796	0.2
Gross Heat of Combustion, BTU / lb	D - 240	18,449
Gross Heat of Combustion, BTU / gal	D - 240	152,249
Nitrogen, wt %	D - 3228	0.384
Ash wt %	D - 482	0.056
Ashphaltenes, wt %	IP - 143	1.76
Conradson Carbon Residue, wt %	D - 189	8.66
Vanadium, ppm	D - 5863	39
Sodium, ppm	D - 5863	35
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** Annotates Analysis Contracted Out